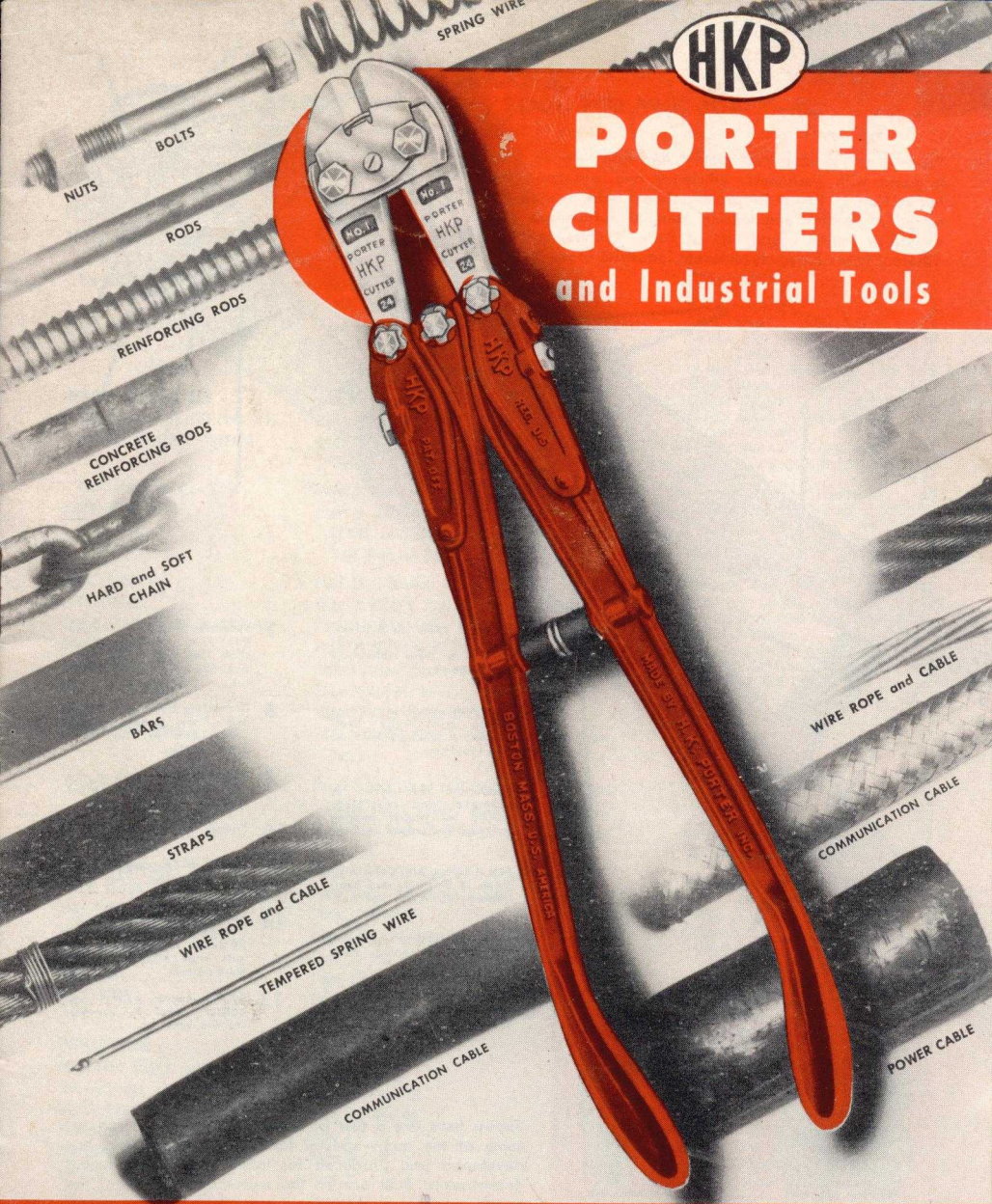




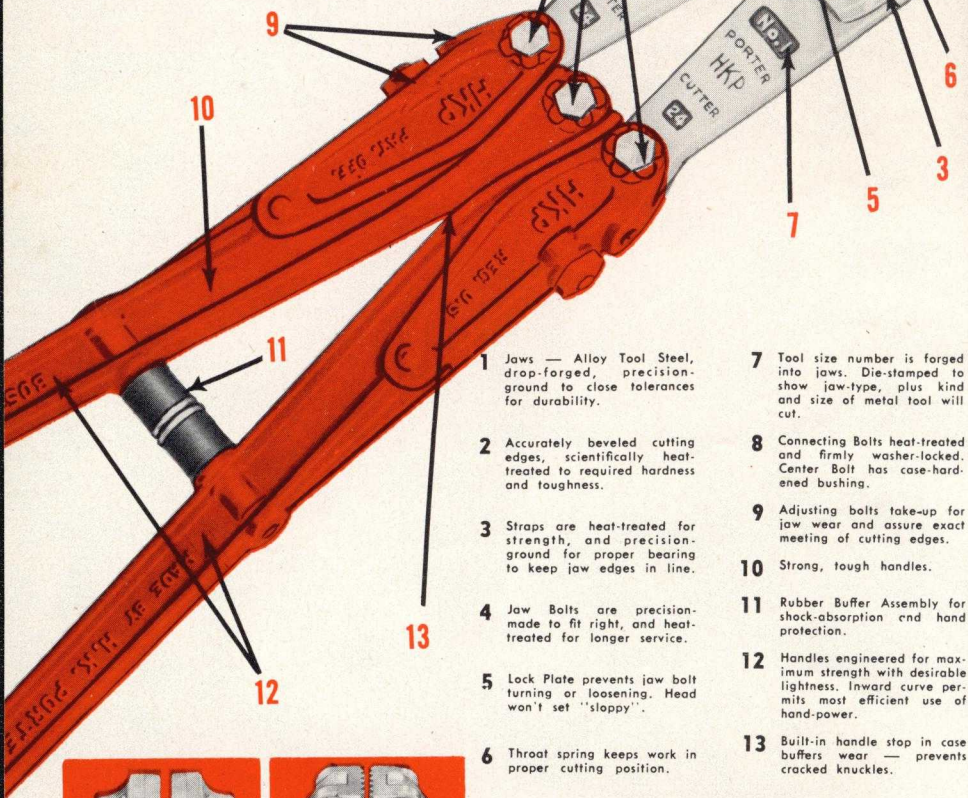
PORTER CUTTERS

and Industrial Tools



If unable to obtain from your regular
supplier, communicate with
H. S. BAKER
24 California Street
San Francisco 11, Calif.

There is no substitute for quality. And quality goes hand in hand with usefulness, efficiency and economy. The Porter Cutter "Power Diagram", shown here, typifies the scientific design; engineering and manufacturing skill embodied in the broad line of Porter Cutters, in many different types for many different industrial uses.



- 1 Jaws — Alloy Tool Steel, drop-forged, precision-ground to close tolerances for durability.
- 2 Accurately beveled cutting edges, scientifically heat-treated to required hardness and toughness.
- 3 Straps are heat-treated for strength, and precision-ground for proper bearing to keep jaw edges in line.
- 4 Jaw Bolts are precision-made to fit right, and heat-treated for longer service.
- 5 Lock Plate prevents jaw bolt turning or loosening. Head won't set "sloppy".
- 6 Throat spring keeps work in proper cutting position.
- 7 Tool size number is forged into jaws. Die-stamped to show jaw-type, plus kind and size of metal tool will cut.
- 8 Connecting Bolts heat-treated and firmly washer-locked. Center Bolt has case-hardened bushing.
- 9 Adjusting bolts take-up for jaw wear and assure exact meeting of cutting edges.
- 10 Strong, tough handles.
- 11 Rubber Buffer Assembly for shock-absorption and hand protection.
- 12 Handles engineered for maximum strength with desirable lightness. Inward curve permits most efficient use of hand-power.
- 13 Built-in handle stop in case buffers wear — prevents cracked knuckles.

SPECIAL TOOLS

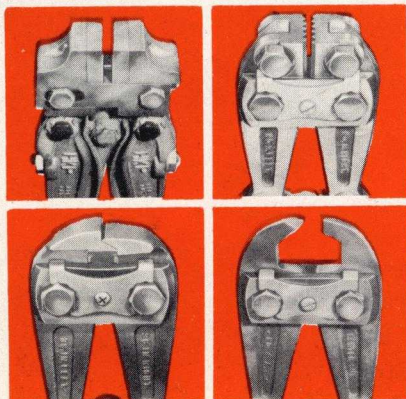
Shown here are a few of the various working heads of some of the many special tools H. K. Porter, Inc. has developed and produced for industry and government departments. Built around the tremendous power of the toggle mechanism, these tools are efficient and economical for many operations, such as:

HEADING
PRESSING
CRIMPING
PUNCHING

CAULKING
SQUEEZING
PUSHING
PULLING

CUTTING
SHEARING
SPLITTING
SPREADING

In addition to these, Porter engineers have designed other special-purpose tools to save time and labor where it is necessary to take the tool to the job. We will welcome an inquiry concerning your problem.



INDEX

SELECT THE RIGHT TOOL FOR THE JOB

Note: Read entire left column first to see if material to be cut is mentioned by name. If not, refer to general classification at top of list and determine correct tool. ALSO CHECK LISTING BY TOOL NAMES IN RIGHT HAND COLUMN.

FOR CUTTING

REFER TO

BOLTS, RODS SCREWS, RIVETS, ETC.

SOFT STEEL OR METAL

For CLOSE or FLUSH Cuts only..... Page 4 (Clipper Cut), Page 6 (5NE), Page 7 (6A), Page 11 (#12).

For ALL GENERAL CUTTING..... Page 4 (Center Cut), Page 6 (5CC), Page 7 (6C)

For Special Position Cuts..... Page 5 (Angular and End), Page 11 (OB), Page 12 (swivel and compacts)

MEDIUM HARD METALS

For CLOSE or FLUSH Cuts only..... Page 5 (RE-Round Edge), Page 6 (5RE)

For ALL GENERAL CUTTING..... Page 4 (Center Cut), Page 6 (5CC), Page 7 (6B-6C)

For Special Position Cuts..... Page 11 (OB), Page 12 (swivel CC)

HARD STEEL..... Page 5 (CCRE), Page 6 (HD-Heavy Duty and 5CCRE and 5HD), Page 11 (OBHC and No Sag), Page 16 (Carbide Edge).

BARS, FLAT..... Page 11 (T Shears)

CABLE, STEEL..... Page 7 (6B-6C), Page 8 (all), Page 10 (all).

CABLE, COPPER OR ALUMINUM..... Page 7 (6B-6C), Page 9 (all), Page 10 (all).

CHAIN, SOFT..... Page 15 (Soft Chain)

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POWERPULL ATTACHMENT..... Page 6

PRUNING TOOLS..... Page 16

SPECIAL TOOLS..... Page 2

TIRE CHAIN REPAIR TOOLS..... Page 15

TRIPOD ATTACHMENT..... Page 6

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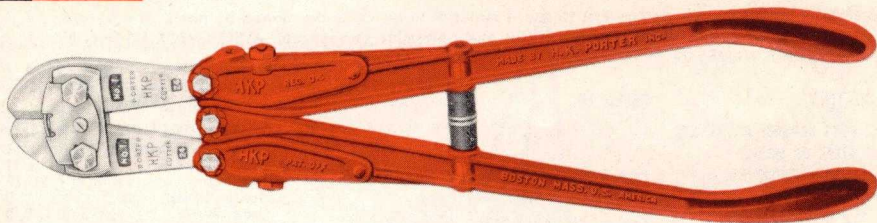
PRUNING TOOLS

See Catalog Offer..... 16

H. K. Porter developed and patented the first adjustable bolt and rod cutter employing the toggle power principle almost 75 years ago. The original small shop has been replaced successively by larger manufacturing facilities. Shown here is the new modern, spacious plant.



OUR MOST POPULAR TOOL



CENTER CUT — Sharp Edge



FOR FREE OR GENERAL CUTTING of Medium Hard Rods, Bolts, Etc., Cold Drawn Spring Wire, Stranded Guy Wire, Alloy Wire and Rods Not Heat-Treated, and Other Medium Hard Steel. Up to Brinell 300, Rockwell C 31 Hardness.

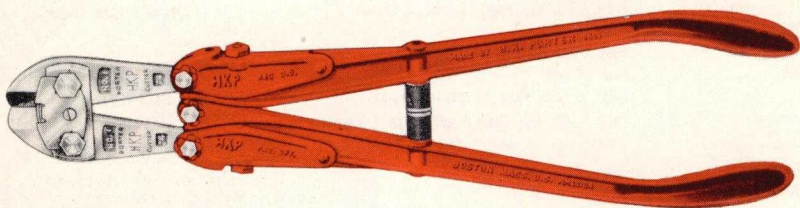
The Center Cut type tools are the most universally chosen for general free cutting of the above materials and many other metals.

As the name implies, the cutting edge is in the middle of the blade with an equal bevel on each side. This provides increased strength and toughness of the edges in long service, when used within the indicated capacities.

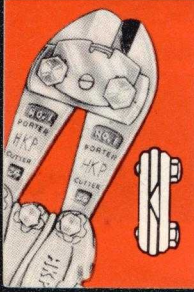
Center Cut type of jaws are always recommended where flush cuts are not required. In its larger sizes, this is a favorite tool of many industries — in steel mills for rods and wire, in manufacturing, maintenance and construction where it is advantageous to take the tool to the work, rather than the work to the tool. Practically every plant or shop, large or small, can make good use of one or more of these portable, rugged and efficient cutters.

See also swivel type cutters on Page 12.

Tool No.	Approx. Length	Capacities		Approx. Weight Lbs.
		Med. Hard Bolts In Thread	Med. Hard Metals	
14 CC	14"	$\frac{5}{16}$ "	$\frac{1}{4}$ "	2 $\frac{7}{8}$
0 CC	18"	$\frac{3}{8}$ "	$\frac{5}{16}$ "	4 $\frac{1}{4}$
1 CC	24"	$\frac{7}{16}$ "	$\frac{3}{8}$ "	6 $\frac{3}{4}$
2 CC	30"	$\frac{9}{16}$ "	$\frac{1}{2}$ "	10 $\frac{1}{2}$
3 CC	36"	$\frac{5}{8}$ "	$\frac{9}{16}$ "	14 $\frac{3}{4}$
4 CC	42"	$\frac{3}{4}$ "	$\frac{5}{8}$ "	17 $\frac{3}{4}$



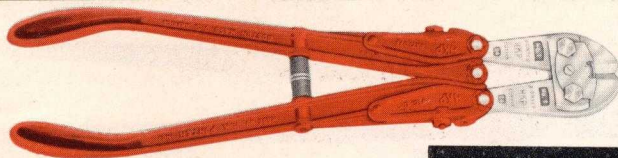
CLIPPER CUT — Sharp Edge



FOR CLOSE CUTTING ONLY of non-ferrous metals and soft steel. Aluminum, Brass, Copper, Wrought Iron, Soft Steel Bolts, Screws, Rivets, Rods, Wire. Up to Brinell 200, Rockwell C15 Hardness.

The Clipper Cut, with blades beveled almost entirely from one side, makes the close, square cut required for trimming projecting ends. This design should be used only for soft metals as indicated above. Cutting edges are in line with the handles. See also Swivel Cutter — Page 12, Handyman's Cutters, Page 11.

Tool No.	Approx. Length	Capacities		Approx. Weight Lbs.
		Soft Bolts In Thread	Soft Metals	
14 NE	14"	$\frac{5}{16}$ "	$\frac{1}{4}$ "	2 $\frac{7}{8}$
0 NE	18"	$\frac{3}{8}$ "	$\frac{5}{16}$ "	4 $\frac{1}{4}$
1 NE	24"	$\frac{7}{16}$ "	$\frac{3}{8}$ "	6 $\frac{3}{4}$
2 NE	30"	$\frac{9}{16}$ "	$\frac{1}{2}$ "	10 $\frac{1}{2}$
3 NE	36"	$\frac{5}{8}$ "	$\frac{9}{16}$ "	14 $\frac{3}{4}$
4 AR	42"	$\frac{3}{4}$ "	$\frac{5}{8}$ "	17 $\frac{3}{4}$

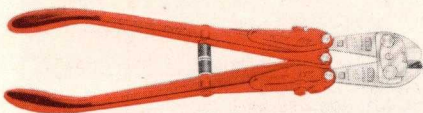


Round Edge — CENTER CUT

Tool No.	Approx. Length	Capacities Hard Metals	Approx. Weight Lbs.
14 CCRE	14"	3/16"	2 7/8
1 CCRE	24"	5/16"	6 3/4
3 CCRE	36"	7/16"	14 3/4
4 CCRE	42"	1/2"	17 3/4

FOR FREE OR GENERAL CUTTING of Concrete Reinforcing Rods, Hard Cable Chrome Ball Wire, Cold Drawn Alloy Wire, Most Types of Stainless Steel, Tempered Spring Wire. Up to Brinell 400, Rockwell C 42 Hardness.

The Center Cut with slightly rounded cutting edges and equal bevels on each side of jaw blade, plus higher tempered cutting edges, make this an efficient and durable tool for all-around work with the harder metals. It is widely used in many industries — in general construction and demolishing work — and in alloy steel and wire mills. If in doubt, send work samples to be cut and we will recommend the correct tool.



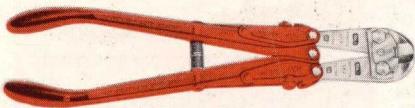
Round Edge — CLIPPER CUT

Tool No.	Approx. Length	Capacities		Approx. Weight Lbs.
		Bolts in Thread	Medium Hard Metals	
14 RE	14"	5/16"	1/4"	2 7/8
0 RE	18"	3/8"	5/16"	4 1/4
1 RE	24"	7/16"	3/8"	6 3/4
2 RE	30"	9/16"	1/2"	10 1/2
3 RE	36"	5/8"	9/16"	14 3/4
4 RE	42"	3/4"	5/8"	17 3/4

FOR CLOSE CUTTING ONLY of Medium hard metals — Alloy Steel Bolts and Similar, Spring Steel, Unannealed Carbon Tool Steel, Heat-Treated Carbon Steel Bolts Not Case Hardened. Up to Brinell 300, Rockwell C 31 Hardness.

A variation of the Clipper Cut described on page 4, but having jaw edges slightly rounded and a higher jaw temper for use with somewhat harder materials, plus the softer ones cut by the sharp edge clipper cut type. See also Swivel Cutters —

Page 12.

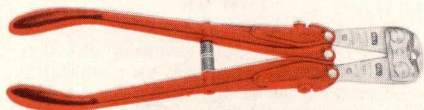


Sharp Edge — ANGULAR CUT

Tool No.	Approx. Length	Capacities		Approx. Weight Lbs.
		Soft Bolts in Thread	Soft Metals	
14 A	14"	5/16"	1/4"	3 1/8
1 A	24"	7/16"	3/8"	7
3 A	36"	5/8"	9/16"	15

FOR CLOSE CUTTING ONLY FROM 30° ANGLE of Aluminum, Brass, Copper, Wrought Iron, Soft Steel Bolts, Screws, Rivets, Rods, Stranded Wire. Up to Brinell 200, Rockwell C 15 Hardness.

For close cutting — with handles at a 30° angle to the jaw cutting edges — no interference by head assembly straps and keeps operator's hands away from work surface. Useful for cutting close against large surfaces — walls, floors, ceilings — and particularly trimming concrete form wires, or splice-ends of wire rope. Swivel type for No. 1 size only — Page 12.

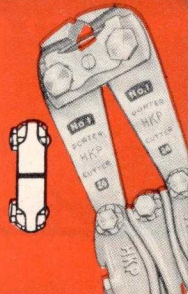
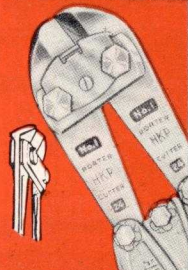
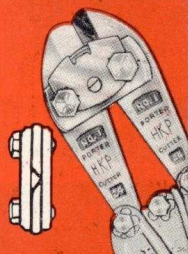
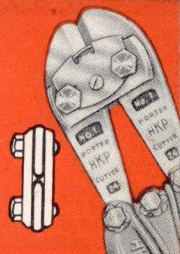


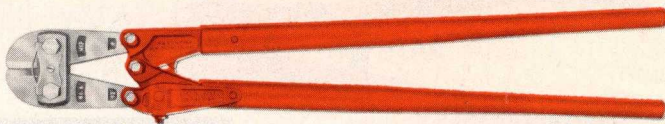
Nipper Edge — END CUT

Tool No.	Approx. Length	Capacities		Approx. Weight Lbs.
		Soft Bolts in Thread	Soft Metals	
14 E	14"	5/16"	1/4"	3
1 E	24"	7/16"	3/8"	6 7/8
3 E	36"	5/8"	9/16"	14 5/8

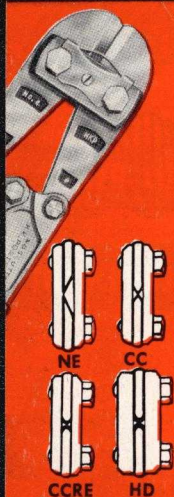
FOR CLOSE CUTTING ONLY — "Head-on" of Aluminum, Brass, Copper, Wrought Iron, Soft Steel Bolts, Screws, Rivets, Rods, Wire. Up to Brinell 200, Rockwell C 15 Hardness.

For close or flush cutting only from "head-on" position. Cutting edges at right angles to the handles, useful in trimming bolt ends, etc., in ship-building, sheet metal, automotive and structural work. Excellent for cutting directly overhead or on the floor. Swivel type available only for No. 1 size. See Page 12.





ALL STEEL NO. 5—Sharp & Round Edge CUTTERS WITH ALL STEEL PARTS



FOR CUTTING MANY METALS — SEE CHART BELOW. Clipper Cut types are for CLOSE CUTTING ONLY. All other types are for FREE OR GENERAL CUTTING. Center Cut types are for medium hard metal. Heavy Duty is for continuous cutting of reinforcing rod and other hard metals. Cable Cutter is for large wire rope and steel cable, including ACSR types.

A big, strong Cutter with All Steel handles and parts designed especially for cutting large size bolts, rods, and wire rope — as required by steel mills, construction companies and other heavy industries. Tool adjusted with jaws slightly open when handles are closed — results in 25% easier cutting.

Tool No. and Name	Approx. Length	Capacities	Approx. Weight Lbs.
5-NE CLIPPER CUT (Close Cut)	42"	¾" Soft Bolts in Thread Brinell 200—Rockwell C15	18
5-CC CENTER CUT (Sharp Edge)	42"	⅝" Medium Hard Metals Brinell 300—Rockwell C31	18
5-RE CLIPPER CUT (Round Edge)	42"	¾" Medium Hard Bolts in Thread Brinell 300—Rockwell C31	18
5-CCRE CENTER CUT (Round Edge)	42"	½" Hard Rods (esp. reinforcing rod) Brinell 400—Rockwell C42	18
5-HD HEAVY DUTY (Center Cut Rd. Edge)	42"	½" Hard Rods (esp. reinforcing rod) Brinell 400—Rockwell C42	19½
5-CL CABLE CUTTER	43"	¾" Wire Rope Brinell 300—Rockwell C31	20½

HEAVY DUTY—Round Edge



FOR FREE OR GENERAL HEAVY CUTTING of Hard Metals, Concrete Reinforcing Rods, Hard Wire Rope, Chrome Ball Wire, Cold Drawn Alloy Steel, Stainless Steel, Tempered Spring Wire. Up to Brinell 400, Rockwell C 42 Hardness.

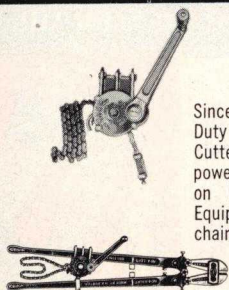
One of the most rugged Porter Cutters, the cutter-head has heat-treated, heavy forged straps for extra support and to resist abuse. Straps are also ground and recessed with grease pockets to minimize friction. The jaws are hard-tempered center cut type with rounded cutting edge. Jaw bolts are special alloy steel. The 4 HD size can be supplied with the Powerpull and Tripod devices described below for cutting ⅝" reinforcing rod.

Tool No.	Approx. Tool Length	Capacities			Approx. Weight Lbs.
		Hard Bolts in Thread	Hard Wire Rope Stranded Guy Wire	Hard Metals	
2 HD	30"	⅞"	7/16"	⅜"	11¼
3 HD	36"	⅝"	½"	7/16"	16
4 HD	42"	¾"	⅝"	½"	19½
4 HDP	42"	¾"	⅝"	⅝"	28
4 HDPT	42"	¾"	⅝"	⅝"	40

POWERPULL and TRIPOD ATTACHMENTS for extra power on heavy or continuous cutting

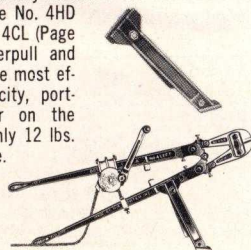
POWERPULL

Since the capacity of the No. 4HD Heavy Duty Cutter above and the No. 4CL Cable Cutter (Page 8) go beyond average hand-power, the Powerpull increases the power on heavy or continuous cutting work. Equipped with crank, reduction-gear and chain sprocket—makes cutting quicker, easier, cheaper and reduces fire hazard. Weight 8½ lbs. See 4HDP above.



TRIPOD

The Tripod Attachment used with the Powerpull greatly increases efficiency by placing work at a convenient level. Easily attached and removed. The combination of the No. 4HD (above) or the No. 4CL (Page 8) with the Powerpull and Tripod provides the most efficient high capacity, portable hand cutter on the market. Weight only 12 lbs. See 4 HDPT above.



These 4 HandKliP Cutters feature toggle-action power in lightweight, one-hand form — steel handles with tough, durable plastic coating.

**PORTER
CUTTERS**

7.

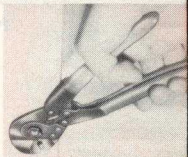


Angular Cutter — HANDKLIP 6A

FOR CLOSE CUTTING ONLY of small soft metals, Soft Wires, Rods, Bolts, Form Wires, Cotter Pins and Similar. Up to Brinell 200, Rockwell C 15 Hardness.

Clipper Cut type cutting edges off-set at 30° angle to handle line — ideal for close-quarter work, with work always in plain view. Heads of tough tool steel, drop-forged and heat-treated — an indispensable tool for a wide range of industries and popular in the home workshop.

Tool No.	Approx. Length	Capacity		Approx. Weight Lbs.
		Soft Bolts in Thread	Soft Rods	
6 A	9"	1/4"	3/16"	13 oz.

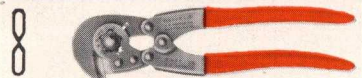


Wire Cutter — HANDKLIP 6B Center Cut Round Edge

FOR FREE OR GENERAL CUTTING of small medium hard metals, Spring Wire up to 1/8" Diameter and Similar. Up to Brinell 400, Rockwell C 42 Hardness.

A powerful cutter having slightly rounded cutting edges for maximum strength. Heads of alloy tool steel, drop-forged and extra tempered. Widely used for cutting spring wire, high tensile communication and power wires, and for many industrial, home or farm tasks.

Tool No.	Approx. Length	Capacity		Approx. Weight Lbs.
		Med. Hard Wire	Spring Wire	
6 B	9"	1/8"	3/32"	13 oz.



Wire Cutter — HANDKLIP 6C Center Cut

FOR FREE OR GENERAL CUTTING of small medium hard metals, Wires, Cables, Rods, Bolts, Baling Wire, Etc., Up to Brinell 300, Rockwell C 31 Hardness.

Tool No.	Approx. Length	Capacity			Approx. Weight Lbs.
		Soft Wire Rope	Soft Bolts in Thread	Soft Rods	
6 C	9"	3/16"	1/4"	3/16"	13 oz.

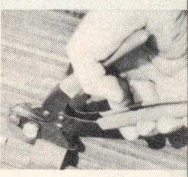


Shear Cutter — HANDKLIP 6T

FOR CUTTING LARGE FLAT OR ROUND Steel Strapping Wire, Steel Strapping, Wire Binding, Freight Load Straps, and Similar. Up to Brinell 300, Rockwell C 31 Hardness.

Shear cut jaws and unusual design make this tool as handy as it is powerful. Adjustment screw pointed top cutting jaw hooks easily under tight strapping or wire, and cuts without damage to container or contents. A "must" for every shipping and receiving department in plant, warehouse, store, shop, restaurant.

Tool No.	Approx. Length	Capacity	Approx. Weight Lbs.
		Steel Strapping	
6 T	9"	.035" x 1 1/4"	14 oz.

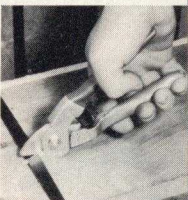


8T STRAP CUTTER

FOR SMALL OR MEDIUM SIZE FLAT OR ROUND STEEL STRAPPING, Cuts flat steel strapping up to 3/4" x .035" and round steel strapping up to 14 gauge (.080"), freight load straps and similar. Up to Brinell 300, Rockwell C 31 Hardness.

Tool No.	Approx. Tool	Capacity	Approx. Weight Lbs.
		Flat Strap up to 3/4" x .035"	
8 T	8"	Flat Strap up to 3/4" x .035"	12 oz.
Round Strap up to 14 gauge (.080")			

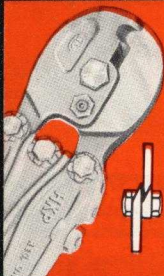
A NEW lightweight yet powerful tool for cutting the most commonly used steel strapping quickly and easily. Special molded plastic comfort grips prevent hand-slippage when pushing blade under tight wire strapping. Thumb Button for locking tool closed. In action, a between-handle spring opens jaws quickly after each cut.



The designs and sizes of Porter Cable Cutters are so complete that they are widely used by power companies, in elevator work, shipbuilding, harbor installations and lumbering operations — or anyone who sells or uses cables.

FOR STEEL CABLE AND WIRE ROPE

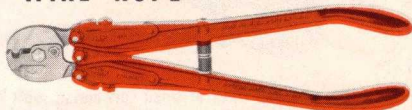
STEEL CABLE CUTTERS



Notched Shear

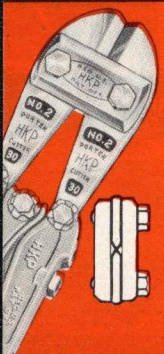
FOR FREE OR GENERAL CUTTING of all soft or hard steel cable or wire rope up to capacities shown. Excellent for ACSR Cable, Soft Wire Rope and Cable, Hard Wire Rope, Stranded Guy Wire, improved Plow Steel Up to Brinell 400, Rockwell C 42 Hardness.

Cutting edges pass each other for complete shear action and cuts coarse or fine stranded material easily and cleanly. The jaws are notched to lock cable in during cut and to minimize crushing or deforming the cable.



Tool No.	Approx. Length	Capacities Wire Rope and Cable	Approx. Weight Lbs.
14 TN	14"	1/4"	3
1 TN	24"	3/8"	6 1/2
3 TN	36"	5/8"	14 1/2

CABLE CUTTERS—Center Cut



FOR FREE OR GENERAL CUTTING of soft to medium-hard coarse stranded wire rope or cable. Stranded Guy Wire, Wire Rope, Wire Cable. Up to Brinell 300, Rockwell C 31 Hardness.

In addition to wire rope, these cutters are used for certain types of heavy electric power cable, using center cut jaws so adjusted that cutting edges meet to cut strands cleanly. Have extra heavy straps to keep jaws in line. Recessed grease pockets minimize friction. See Page 6 for information on Powerpull and Tripod attachments.



Tool No.	Approx. Length	Capacities		Approx. Weight Lbs.
		Soft Wire Rope & Cable	Hard Wire Rope & Cable	
2 CB	30"	1/2"	7/16"	11 1/4
3 CB	36"	5/8"	1/2"	16
4 CL	43"	7/8"	3/4"	21
4 CLP*	43"	7/8"	3/4"	29 1/2

*Tool with Powerpull

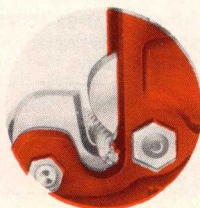
LARGE BENCH SHEAR—U-Shaped Throat

FOR FREE OR GENERAL CUTTING ON FLOOR OR BENCH of soft to hard cable or wire rope. Stainless or Plow Steel Stranded Cable, Plain Steel Cable, Wire Rope, Soft or Hard. Up to Brinell 400, Rockwell C 42 Hardness.

A rugged bench tool for heavy, continuous use on tough-to-cut wire ropes and cables. Locks in the cable while it cuts. Handle pulls toward operator — one hand free for feeding stock. U-shaped throat of fixed blade minimizes deformation. Blade wiping action insures clean cuts. Special side adjustment permits repeated sharpening.



Tool No.	Approx. Length	Capacity			Soft Wire Rope	Approx. Weight Lbs.
		Stainless Steel Cable	Plain Steel Cable	Hard Wire Rope		
UB	30"	3/8"	5/8"	1/2"	5/8"	41



Porter-engineering skill is constantly being applied to special use cutters, such as the powerful Hydraulic Cable Cutter and Bus Bar Bender.

FOR COPPER AND ALUMINUM CABLE



Special Shear — CABLE CUTTER

Tool No.	Approx. Length	Capacity Copper or Aluminum Cable	Approx. Weight Lbs.
2 CN	30"	1 3/8" O.D.	9 1/2

FOR FREE OR GENERAL CUTTING of soft, non-steel cable. Cuts Copper and Aluminum Cable Only. Do not use on ACSR cable. See TN Cutters on page 8.

This special Shear Cutter is designed for cutting power cables, insulated or otherwise, up to its rated capacity. Jaws pass each other for clean cutting. A tool especially needed by every company making, selling or using copper or aluminum cable.



No. 3590 Hydraulic Cutter with 5-ton All-Position Jack — Speed: 7 handle strokes per inch ram travel — Capacity: 3 1/2" Power Cable — Weight: 30 lbs.

HYDRAULIC CABLE CUTTER

Lead-Sheathed Power Cables, Communication Cables, Lead Sheathed Cables up to 3000 MCM — Except Submarine Cable. EXCELLENT FOR SALVAGE WORK.

Light and portable, with jack handle hooked for carrying, this powerful cutter is for large communication and power cables up to 3 1/2" diameter. Power a-plenty easily applied with the 10,000 lb. Porter self-retracting Hydraulic Jack. No stooping — operates from any position.

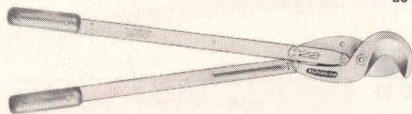
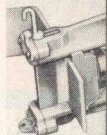


No. 3590B Hydraulic Bus Bar Bender, with 5-ton All-Position Jack — Speed: 7 handle strokes per inch ram travel — Capacity: 4 1/2" x 3/8" Bus Bars — Weight: 30 lbs.

HYDRAULIC BUS BAR BENDER

For Bending Bus Bars and Similar up to 4" Wide by 3/8" Thick.

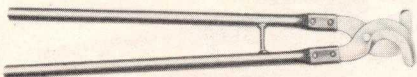
Easily portable with jack handle hooked for carrying, the powerful Bus Bar Bender saves carrying the work to the machine. Quick and efficient for bending bus bars and similar stock for switchboard and generating station installations. Has the same 10,000 lb. Porter Hydraulic Jack Power as the Cable Cutter.



Shear Type — CABLE CUTTERS

FOR SOFT CABLE ONLY. Light, Power and Communication Cables having high insulation content — Not advised for cable with high percentage of copper wires. Up to Brinell 200, Rockwell C 15 Hardness.

Passing blades cut cleanly leaving no frayed or flattened ends. Tool has slots for increasing cutting power up to 80%. Type FT for regular or telephone inside cable, fine strand unarmored conductors. Type FH for armored and stranded copper conductors.



Lead Sheathed — CABLE CUTTERS

FOR LEAD-SHEATHED COMMUNICATION CABLE.

Passing jaws for shear action minimize crushing cable and inside wires. Alloy tool steel head, drop-forged and heat-treated, holds a wear-resisting edge. No. 3-LSC has extension handle adding 15" to normal handle length for greater leverage. No. 1-FS is designed for fine strand wire.



Tool No.	Approx. Length	Capacity		Approx. Weight Lbs.
		Reg. Ins. Copper Cable	Armored Copper Cable	
2 FT	27"	1 3/8"	—	4 3/4
3 FT	34"	1 3/4"	—	7 1/4
2 FH	27"	—	1 3/8"	4 3/4
3 FH	34"	—	1 3/4"	7 1/4

Tool No.	Approx. Length	Capacity		Approx. Weight Lbs.
		Communication Cable	Insulated Stranded Copper Wire	
1 LSC	23 1/2"	1"	375,000 Circular Mils	5 1/4
3 LSC	37"	2 1/4"	750,000 Circular Mils	10 3/4
1 FS	23 1/2"	1"	375,000 Circular Mils	5 1/4

Porter Electric Wire Cutters are universally used by power, light and communication companies. These cutters are made with special wide-opening jaws to cut insulation on wires and are available with or without Cohardite insulation on tool handles. This insulation meets the rigid safety regulations of most utility companies.

ELECTRIC WIRE CUTTERS — Insulated

Center Cut

FOR FREE OR GENERAL CUTTING of insulated and soft to medium hard "live" wires. Copper Wire, Medium Hard Steel Wire. Up to Brinell 300, Rockwell C 31 Hardness.

A favorite with most utility companies and Civilian Defense Units. Jaws are center cut type. Handles covered with hot-molded insulation of special semi-hard rubber, (Cohardite) providing maximum toughness, high dielectric strength, and resistance to oxidation and chemicals. Each tool individually tested at the factory to 20,000 volts.



Tool No.	Approx. Length	Capacity Solid Copper Wire	Jaws Open	(Approx.) Weight Lbs.
0 WCC	19"	5/16"	1/2"	4 1/2
1 WCC	25"	3/8"	3/4"	7 3/4
2 WCC	31 1/2"	1/2"	1 1/8"	11 3/4
3 WCC	37"	5/8"	1 1/4"	17

FIREMAN'S CUTTERS — Insulated

FOR FREE OR GENERAL CUTTING of insulated and soft to medium hard "live" wires. Copper Wire, Medium Hard Steel Wire. Up to Brinell 300, Rockwell C 31 Hardness.

Primarily designed for fire departments and used by practically all of them. Original equipment on most new pieces of apparatus. Tools have same characteristics of Electric Wire Cutter described above, with insulated handles — plus an automatic groping hook which guides wire into jaw-opening, in darkness or smoke. Individually tested at factory to 20,000 volts.



Tool No.	Approx. Length	Capacity Solid Copper Wire	Jaws Open	Approx. Weight Lbs.
0 FC	21 1/4"	5/16"	1/2"	5
1 FC	27"	3/8"	3/4"	8
3 FC	39"	5/8"	1 1/4"	18

ELECTRIC WIRE CUTTERS — Not Insulated

FOR FREE OR GENERAL CUTTING of soft to medium hard "dead" wires. Copper Wire, Medium Hard Steel Wire. Up to Brinell 300, Rockwell C 31 Hardness.

This cutter has the same characteristics as the Electric Wire Cutter at top of page, but **without** the insulated handles. Therefore useful for cutting "cold" or "dead" wires, also for use by telephone, telegraph, power and light, electric machinery and equipment companies.



Tool No.	Approx. Length	Capacity Solid Copper Wire	Jaw Openings	Approx. Weight Lbs.
1 X	24"	3/8"	3/4"	6 3/4
2 X	30"	1/2"	1 1/8"	10 1/2
3 X	36"	5/8"	1 1/4"	14 3/4

See also Wood Handled type below.

ELECTRIC WIRE CUTTERS — Wood Handles

Center Cut

FOR FREE OR GENERAL CUTTING of soft to medium hard wire — not "live". Copper Wire, Medium Hard Steel Wire. Up to Brinell 300, Rockwell C 31 Hardness.

For cutting "cold" or "dead" wires. Primarily designed for and used by telephone companies, power and light utilities, electrical machinery and equipment manufacturers. Cutting heads are similar to the Electric Wire Cutters (Not insulated) above, but have sturdy hardwood handles fitted into special sockets for rigid strength.

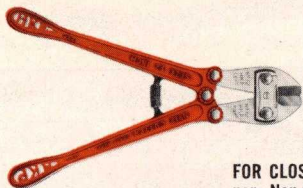


Tool No.	Approx. Length	Capacity Solid Copper Wire	Jaw Openings	Approx. Weight Lbs.
1 X W	24"	3/8"	3/4"	6 1/2
2 X WA	30"	1/2"	1 1/8"	8 1/4

Although the majority of Porter Cutters are portable, such as the Utility Cutter below, a considerable demand for bench cutters with the Porter multiplied power mechanism led to the useful models shown on this and other pages.

PORTER CUTTERS

11.

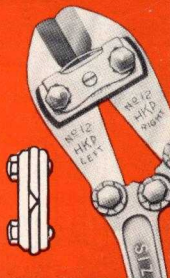


Farm, Home, Shop — UTILITY CUTTER NO. 12

FOR CLOSE CUTTING ONLY of soft metals. Aluminum, Brass, Copper, Non-ferrous Metals, Wrought Iron, Soft Steel Bolts, Screws, Rivets, Rods, Nails, Wire, Etc. Up to Brinell 200, Rockwell C 15 Hardness.

Tool No.	Approx. Length	Capacity Soft Bolts in Thread	Soft Metals	Approx. Weight Lbs.
12	12"	1/4"	3/16"	1 1/2

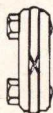
No. 12 is tool-kit size and remarkably efficient for cutting soft bolts, screws, nails, rods, untampered wire, fencing and other soft materials within its range. Has the same powerful toggle action as larger cutters. Jaws may be adjusted for wear by shortening buffer pins.



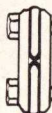
One-Hand — BENCH CUTTERS

FOR FREE OR GENERAL CUTTING of medium to hard metals — see chart.

Designed to meet the many and varied needs of frequent, repetitive cutting at bench or work station. Fastens securely to bench. Handle pulls toward operator for easy, natural action and greater power. One hand is free for feeding in stock.



TYPE OB: All general purpose cutting of spring wire, rods, etc., to medium hardness up to Brinell 300, Rockwell C 31.



TYPE OBHC: Special jaws for cutting case-hardened chain and hard rods to Brinell 440, Rockwell 46 C Hardness.

TYPE OB-NO-SAG: Efficient for upholstery and bed spring work. Slots in brackets assure clean cutting of U-shaped wire.



TYPE OBT: For cold or hot rolled strip metal. Passing jaws shear without crushing action and very little deformation.

Tool No.	Approx. Length	Capacity			Approx. Weight Lbs.
		Med. Hard Metals	Hard Metals	Flat Strip Stock	
OB	16 1/4"	5/16"	—	—	5 1/2
OHC	16 1/4"	—	1/4"	—	5 1/2
OBT	17"	—	—	Up to 2 1/2" wide (14 gauge)	6
OB-NO-SAG	16 1/4"	—	1/4"	—	5 1/2
	16 1/4"	—	1/4"	—	5 1/2



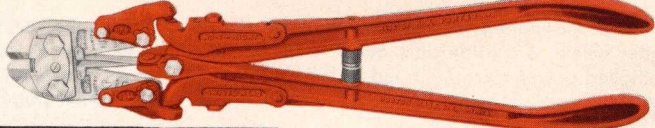
Passing Jaws — SHEAR CUT

Soft or hard flat bars or strip stock. Flat Steel Bars, Strip Steel, up to Brinell 400, Rockwell 42 Hardness.

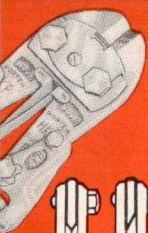
Recommended for flat bars and strip stock only. The cutting edges of this tool pass each other as in scissors to make a shear cut. Widely used in strip steel mills, airplane, ship-building, sign erection, and general salvage work.

Tool No.	Approx. Length	Capacities Flat Bars Strip Steel	Approx. Weight Lbs.
14 T	14"	7/8" x 5/32"	2 3/4
1 T	24"	1 1/4" x 7/32"	6 1/4
3 T	36"	1 1/2" x 7/32"	13 1/2





SWIVEL CUTTERS

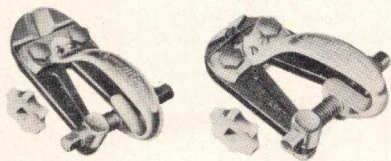


For Special Position Cutting, Clipper Cut for Close Cutting, Center Cut for General Cutting soft to medium hard metals.

For kinds and hardness of metals cut by this Cutter see Clipper Cut, Center Cut, End Cut, and Angular Cutter on Pages 4 and 5. The Swivel has patented "wrist action" by which the head swivels through 180° arc with full leverage and cuts in any position. Efficient in reaching over and under obstructions. Useful in millwright, electrical and automotive work.

Tool No.	Approx. Length	Capacities		Approx. Weight Lbs.
		Soft Bolts in Thread	Soft Metals	
CLIPPER CUT				
0 SH	19"	3/8"	5/16"	4 5/8
1 SH	25"	7/16"	3/8"	7 3/4
2 SH	31"	9/16"	1/2"	11 1/2
ANGULAR CUT				
1 SHA	25"	7/16"	3/8"	8 1/8
END CUT				
1 SHE	25"	7/16"	3/8"	7 7/8
CENTER CUT				
		Medium Hard		
0 SHCC	19"	3/8"	5/16"	4 5/8
1 SHCC	25"	7/16"	3/8"	7 3/4
2 SHCC	31"	9/16"	1/2"	11 1/2

COMPACT CUTTERS — Angular and End Types



ANGULAR TYPE (ACO): Cutting edges offset at 30° angle to handles. See other angular cutters on Page 5.

Non-ferrous Metals, Wrought Iron, Soft Steel Bolts, Screws, Rods, Wire. Up to Brinell 200, Rockwell C 15 Hardness.

Powerful cutters useful in cramped spaces where there isn't handle room for regular cutters. Good also for wedging off bolt heads or nuts. Use with any standard 1/2" socket wrench.

Tool No.	Approx. Length	Capacity		Splitting Nuts of Diam.	Approx. Weight Lbs.
		Soft Bolts in Thread	Soft Metals		
ACO	7 3/4"	3/8"	5/16"	5/16"	3 1/8
ECO	7 3/4"	3/8"	5/16"	5/16"	2 7/8
				1 1/16"	
				(3/8" size)	

END TYPE (ECO): Nipper type jaws are right angles to tool. This cutter is useful for cutting off bolt ends or splitting nuts. See other End Cutters on Page 5.

NUT SPLITTERS — End Type



Hot Pressed Nuts, Cold Punched Nuts. Up to Brinell 200, Rockwell C 15 Hardness.

When nuts refuse to budge, through heat, corrosion or peening, the End Nut Splitter saves valuable time. The tool, held at right angles to bolt axis, splits nuts without damaging bolt threads. Jaws are adjusted to remain open after splitting various nut sizes, hence not useful for cutting bolts or rods. See chart.



Tool No.	Approx. Length	To Split Nut of Bolt		Approx. Weight Lbs.
		Rated Capacity	Adjustable to	
14 N	14"	1/4"	3/16" & 1/8"	3
1 N	24"	3/8"	1/2" & 1/4"	6 3/4
3 N	36"	5/8"	9/16" & 1/2"	14 5/8

NUT SPLITTERS — Side Type



Hot Pressed Nuts, Cold Punched Nuts. Up to Brinell 200, Rockwell C 15 Hardness.

The cutting edges of the Side Nut Splitter are in line with the handles, so it is applied in same direction as bolt axis to split nuts "head-on". Properly adjusted, it will not damage bolt threads because cutting edges remain separated after the nut is split. Choice of End or Side type Splitters depends on position of work and how cut can be made.



Tool No.	Approx. Length	To Split Nut of Bolt		Approx. Weight Lbs.
		Rated Capacity	Adjustable to	
1 SS	24"	3/8"	5/16" & 1/4"	6 3/4
3 SS	36"	5/8"	9/16" & 1/2"	14 5/8

Utility and power companies, manufacturers, service and contractor industries, electricians and metermen use Cohardite insulated tools because of the great margin of safety afforded. The use of Cohardite insulated tools with rubber gloves provides extra protection for both personnel and equipment.

STANDARD SCREWDRIVERS — Cohardite Insulated



A rugged Standard Screwdriver with Cohardite insulation full length of blade to within $\frac{3}{8}$ " of point. See Cohardite description above. Tested to 10,000 volts. Meets Federal Specification GGG-S-121A for standard drivers.

Tool No.	Blade Length	Overall Length	Width of Blade	Diam. of Handle	Weight
13 SD	3"	8"	$\frac{7}{32}$ "	$1\frac{1}{16}$ "	3 oz.
14 SD	4"	9"	$\frac{7}{32}$ "	$1\frac{1}{16}$ "	4 oz.
16 SD	6"	$11\frac{7}{8}$ "	$\frac{5}{16}$ "	$1\frac{1}{4}$ "	8 oz.
18 SD	8"	$13\frac{7}{8}$ "	$\frac{13}{32}$ "	$1\frac{1}{4}$ "	10 oz.

METERMAN'S SCREWDRIVERS — Cohardite Insulated



Full length of blade is Cohardite insulated to within $\frac{3}{8}$ " of point and tapered near point. Tough Cohardite will not peel or crack, keeps high dielectric strength in varying working temperatures, oil and acid fume resistant. Tested to 5,000 volts. No. 145 extra thin for deep slots.

Tool No.	Blade Length	Overall Length	Width of Blade	Diam. of Handle	Weight
101 SD	3"	5"	$\frac{1}{8}$ "	$\frac{5}{8}$ "	2 oz.
125 SD	$5\frac{1}{2}$ "	$6\frac{1}{2}$ "	$\frac{3}{16}$ "	1"	3 oz.
145 SD	$5\frac{1}{2}$ "	$9\frac{1}{2}$ "	$\frac{3}{16}$ "	1"	5 oz.
155 SD	$5\frac{1}{2}$ "	$9\frac{1}{2}$ "	$\frac{1}{4}$ "	1"	5 oz.

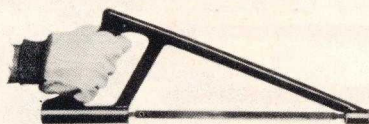
NUT RUNNERS (Socket Wrenches) — Cohardite Insulated



High quality forged and tempered sockets. Insulated to the socket head with tough Cohardite. Tested to 10,000 volts.

Tool No.	Length	Hex Nut Size	Diam. of Handle	Weight
19 SW	$6\frac{1}{2}$ "	$\frac{1}{4}$ "	$1\frac{1}{4}$ "	4 oz.
21 SW	$6\frac{1}{2}$ "	$\frac{5}{16}$ "	$1\frac{1}{4}$ "	4 oz.
23 SW	$6\frac{1}{2}$ "	$\frac{3}{8}$ "	$1\frac{1}{4}$ "	4 oz.
25 SW	$6\frac{1}{2}$ "	$\frac{7}{16}$ "	$1\frac{1}{4}$ "	5 oz.
27 SW	$6\frac{3}{8}$ "	$\frac{1}{2}$ "	$1\frac{1}{4}$ "	6 oz.
29 SW	$6\frac{3}{4}$ "	$\frac{9}{16}$ "	$1\frac{1}{4}$ "	8 oz.
31 SW	$6\frac{3}{4}$ "	$\frac{3}{8}$ "	$1\frac{1}{4}$ "	8 oz.

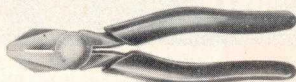
HACKSAW FRAME — Cohardite Insulated



Strong, lightweight steel frame, heat-treated and tempered to prevent set. Takes any standard 12" blade. Frame solidly-molded Cohardite insulated and tested to 20,000 volts.

Tool No.	For Blade	Weight
60	12"	1 lb., 2 oz.

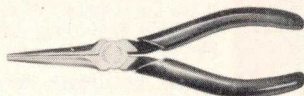
METERMAN-LINEMAN PLIERS — Cohardite Insulated



Solidly molded Cohardite insulation is carefully designed for the tool and each is tested to 5,000 to 10,000 volts depending on size.

Tool No.	Length	Tool Made By	Weight
201-6L	6"	Klein	8 oz.
201-7L	7"	Klein	12 oz.
201-8L	8"	Klein	1 lb.
201-9L	9"	Klein	1 lb. 3 oz.
1950-6L	6"	Utica	8 oz.
1950-7L	7"	Utica	12 oz.
1950-8L	8"	Utica (small head)	1 lb.

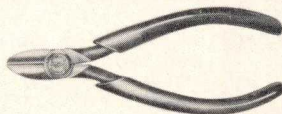
LONG NOSE PLIERS — Cohardite Insulated



A wide range of high grade pliers for meter and other fine electrical work. Carefully designed COHARDITE insulation tested to 5,000 volts.

Tool No.	Length	Tool Made By	Weight
226-6LN	$6\frac{1}{2}$ "	Utica	8 oz.
777-6NN	6"	Utica	8 oz.
301-6LN	6"	Klein	8 oz.
203-6LNC	6"	Klein (with cutter)	8 oz.

DIAGONAL CUTTERS — Cohardite Insulated



A quality-selected line of wire cutters from leading manufacturers. Solidly molded Cohardite insulation is carefully designed for the tool and each is tested to 5,000 volts.

Tool No.	Length	Tool Made By	Weight
202-5 D	5"	Klein	6 oz.
202-6 D	6"	Klein	8 oz.
41-5 D	5"	Utica (diagonal)	6 oz.
41-6 D	$5\frac{1}{2}$ "	Utica (diagonal)	6 oz.

ADJUSTABLE HEAD WRENCHES — Cohardite Insulated



A quality wrench with handle insulated with solidly molded Cohardite. Each wrench is tested to 10,000 volts

Tool No.	Length	Jaw Opening	Made By	Weight
91- 8 W	8"	1"	Utica	8 oz.
91-10 W	10"	$1\frac{1}{8}$ "	Utica	14 oz.
91-12 W	12"	$1\frac{1}{16}$ "	Utica	1 lb. 8 oz.

Alert to the needs of industries, Porter manufacturing facilities are also used for the design and manufacture of widely used tools such as those shown on this and the following pages.

IMPAKDRIVER

to loosen or tighten nuts, bolts, screws

TOOL
NO. 6M



A modern, superior tool for everyone working with threaded fasteners, the efficient Impakdriver transmits a hammer blow into powerful torque that loosens the work with surprising ease. Equally valuable for tightening nuts to a firm, close grip.

The famous 6M Impakdriver is a boon to mechanics, maintenance men and craftsmen in assembly, installation, dismantling and repair work. A simple, inexpensive tool, yet it beats the toughest jobs and the worst time-killers.

The standard drive, for regular and Phillips bits, and for hex sockets is $\frac{3}{8}$ ", also available in quantity with $\frac{1}{4}$ " or $\frac{1}{2}$ " drive. Impakdriver should be used with impact-type bits and sockets up to 9/16". We recommend use of a 2-pound hammer.

If you use a hammer or screwdriver — you need this tool for the frozen, peened, and rusty bolts, nuts and screws. Just twist and rap.

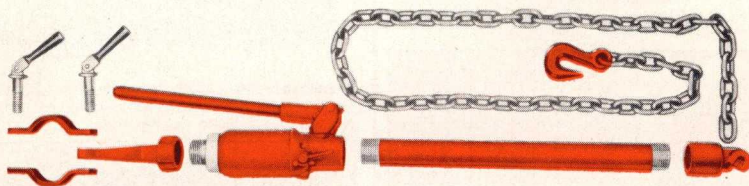
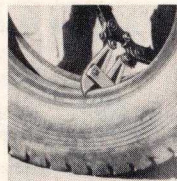
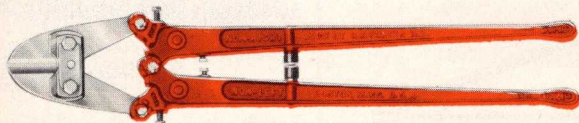
No. 6M IMPAKDRIVER, $\frac{3}{8}$ " drive (without bits or sockets)

**METAL POST STRAIGHTENER**

Parking Meter, Fence, Highway Sign

UNIT W

Widely used by cities and towns for parking meter posts and proved excellent for straightening similar metal posts up to 2½" O.D. Useful in municipal and highway departments. Equipment includes rapid-action 7½-Ton Hydraulic All-position Jack, Heavy Duty Extension Tubing, Swivel Chain Hook, Ram Adapter, Post Clamps with-Speed Bolts, and 6' Pull Chain. Weight 30½ lbs. Special clamps available for 2½" posts.

**TIRE BEAD CUTTERS — Center Cut**

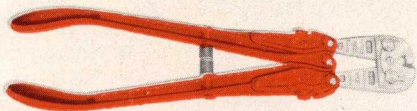
FOR FREE OR GENERAL CUTTING of Tire Bead Wires.
For the specific purpose of severing tough wires in tire casings to destroy them effectively. Essential equipment for tire manufacturers, distributors, dealers.

Tool No.	Approx. Length	Beads of Tires to Cross Section	Approx. Weight Lbs.
4 TB	44"	12" diam.	20 ½

Porter Chain Cutters are recommended for tire, hoist, load, log, towing, trace chain, etc. Be sure to specify which type tool is required. There is also a "right" Porter tool for repairing every size of tire chain.

**PORTER
CUTTERS**

15.



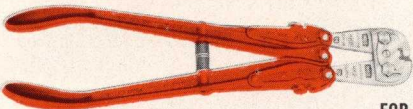
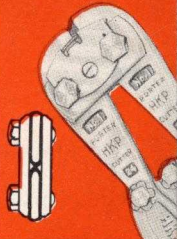
Center Cut — HARD CHAIN CUTTERS

Tool No.	Approx. Length	Cap. Hard Chain and Metals	Approx. Weight Lbs.
0 HC	18"	1/4"	4 1/4
1 HC	24"	5/16"	6 3/4
3 HC	36"	7/16"	14 1/2
4 HC	42"	1/2"	17 1/2

4 HCPT same as 4HC but with Power-pull and Tripod for easier cutting. (See Page 6).

FOR FREE OR GENERAL CUTTING of Hard Chain including alloy and case-hardened, Tempered Spring Wire, Case-hardened Bolts and Screws, Hard Rods except stainless. Up to Brinell 440 Rockwell C 46 Hardness.

Short-nosed jaws have special rounded cutting edges which crush rather than cut the metal, and are highly tempered for maximum strength and durability. Designed so that only one side of link can be cut at a time to prevent damage to tool.



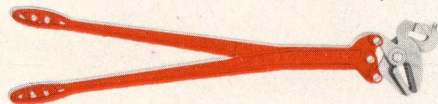
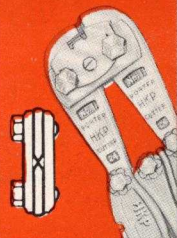
Center Cut — SOFT CHAIN CUTTERS

Tool No.	Approx. Length	Cap. Soft Chain	Approx. Weight Lbs.
1 RC	24"	3/8"	6 3/4
3 RC	36"	9/16"	14 1/2
4 RC	42"	5/8"	17 1/2

4RCPT Same as 4RC but with Power-pull and Tripod for easier cutting.

FOR FREE OR GENERAL CUTTING of All Soft Chain — not Case hardened. Up to Brinell 300, Rockwell C 31 Hardness.

Short-nosed jaws have a sharper cutting edge than those of the Hard Chain Cutter. A highly useful tool for hardware stores, supply houses, shipyards, contractors and users of all types of soft chain — not case-hardened. Designed so that only one side of link can be cut at a time to prevent damage to tool.



Chain Repair Tool — LINKMASTER

Truck and Car Chains to 13/32" diameter links

Tool No.	Approx. Length	Capacity To Open or Close Links of Wire Size	Approx. Weight Lbs.
30 LK	30"	Up to 1 1/2" diam.	7

A powerful tool for spreading and closing all tire chain sizes up to its capacity. No carrying heavy chains to workbench — spread chains on floor and do the job standing up. Spreader and closer jaws are tough alloy steel, drop-forged and heat-treated.

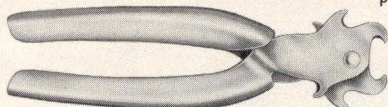


Chain Repair Tool — LINKSEM

Passenger and light truck tire chains

Tool No.	Approx. Length	Capacity	Approx. Weight Lbs.
13 LK	13"	5/16" diam. links	1 1/8 lbs.

Speedy and powerful in action, very rugged, yet light in weight. Ideal for quick chain repair of car and light truck chains up to 5/16" diameter links on the road or in the shop. Individually packed with full instructions on box.



Chain Repair Tool — LINKFIX

All passenger car chains

Tool No.	Approx. Length	Capacity	Approx. Weight
6 LK	6 3/8"	All Passenger Car Tire Chains	4 oz.

For power, performance and low cost a favorite motorist tool. Spreads and closes links easily, removes broken cross links on the tire preventing damage to tire or fender. Individually packed with complete instructions on box.



